



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Masahiro TADAUCHI et al.  
Title: LEAD-FREE JOINING MATERIAL AND JOINING  
METHOD USING THE SAME  
Appl. No.: Unassigned  
Filing Date: October 31, 2003  
Examiner: Unknown  
Art Unit: Unknown



**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility patent application of:

Masahiro TADAUCHI  
Izuru KOMATSU  
Kazutaka MATSUMOTO  
Isao SUZUKI  
Yuko IMAMURA

Enclosed are:

- [ X ] Specification, Claim(s), and Abstract (30 pages).
- [ X ] Formal drawings (3 sheets, Figures 1A-3).
- [ X ] Declaration and Power of Attorney (4 pages).
- [ X ] Assignment of the invention to KABUSHIKI KAISHA TOSHIBA.
- [ X ] Assignment Recordation Cover Sheet.
- [ X ] Information Disclosure Statement.

- ☒ Form PTO/SB/08 with copies of 3 listed reference(s).
- ☒ Application Data Sheet (37 CFR 1.76).
- ☒ Claim for Convention Priority with 1 certified Japanese priority document.

The filing fee is calculated below:

	Claims as Filed		Included in Basic Fee		Extra Claims		Rate		Fee Totals
Basic Fee							\$770.00		\$770.00
Total	20	-	20	=	0	x	\$18.00	=	\$0.00
Claims:									
Independ	4	-	3	=	1	x	\$86.00	=	\$86.00
ents:									
If any Multiple Dependent Claim(s) present:						+	\$290.00	=	\$0.00
							SUBTOTAL:	=	\$856.00
<input type="checkbox"/> Small Entity Fees Apply (subtract ½ of above):								=	\$0.00
							TOTAL FILING FEE:	=	\$856.00
Assignment Recordation Fee:						+	\$40.00	=	\$40.00
							TOTAL FEE	=	\$896.00

- ☒ A check in the amount of \$896.00 to cover the filing fee and fee for recordation of Assignment is enclosed.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Date October 31, 2003

FOLEY & LARDNER

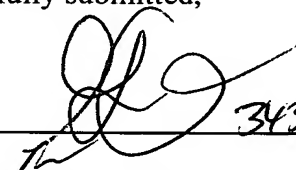
Customer Number: 22428

Telephone: (202) 672-5414

Facsimile: (202) 672-5399

Respectfully submitted,

By

  
Richard L. Schwaab  
Attorney for Applicant  
Registration No. 25,479